PTO/SB/08a (08-03)
Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | Application Number | | 10789128 | |
|---|-----------------------------|----|------------|--|
| | Filing Date | | 2004-02-27 | |
| INFORMATION DISCLOSURE | First Named Inventor Dustin | | n L. Green | |
| STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) | Art Unit | | | |
| (Notion submission under 57 STR 1.55) | Examiner Name | | | |
| | Attorney Docket Number | er | MS1-1434US | |

| | U.S.PATENTS | | | | | | | |
|----------------------|-------------|---------------|---------------------------|------------|---|--|--|--|
| Examiner Initial* | Cite No | Patent Number | Kind Code ¹ | Issue Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear | | |
| | 1 | 5461415 | | 1995-10-24 | Wolf, et al. | | | |
| | 2 | 5473362 | | 1995-12-05 | Fitzgerald, et al. | | | |
| | 3 | 5583868 | | 1996-12-10 | Rashìd, et al. | | | |
| | 4 | 5631694 | | 1997-05-20 | Aggarwal, et al. | | | |
| | 5 | 5699362 | , | 1997-12-16 | Makam | | | |
| | 6 | 5884141 | | 1999-03-16 | . ♣ • ∳ Inoue, et al. | | | |
| | 7 | 5926230 | | 1999-07-20 | Niijima, et al. | | | |
| | 8 | 6047317 | | 2000-04-04 | Bisdikian, et al. | | | |

| Application Number | | 10789128 | | | |
|----------------------|-------|------------|--|--|--|
| Filing Date | | 2004-02-27 | | | |
| First Named Inventor | Dusti | n L. Green | | | |
| Art Unit | | | | | |
| Examiner Name | | | | | |
| Attorney Docket Numb | èr | MS1-1434US | | | |

| 9 | 6078594 | 2000-06-20 | Anderson, et al. | |
|----|---------|------------|------------------|--|
| 10 | 6118498 | 2000-09-12 | Reitmeier | |
| 11 | 6138147 | 2000-10-24 | Weaver, et al. | |
| 12 | 6222482 | 2001-04-24 | Gueziec | |
| 13 | 6266817 | 2001-07-24 | Chaddha | |
| 14 | 6330286 | 2001-12-11 | Lyons, et al. | |
| 15 | 6418473 | 2002-09-07 | St. Maurice | |
| 16 | 6430547 | 2002-08-06 | Busche, et al. | |
| 17 | 6496814 | 2002-12-17 | Busche | |
| 18 | 6505106 | 2003-01-07 | Lawrence, et al. | |
| 19 | 6564262 | 2003-05-13 | Chaddha | |

| Application Number | 10789128 |
|----------------------|-----------------|
| Filing Date | 2004-02-27 |
| First Named Inventor | Dustin L. Green |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Numb | per MS1-1434US |

| | 20 | 6580754 | | 2003-06-17 | Wan, et al. | |
|----------------------|------------|--------------------------|---------------------------|---------------------|---|--|
| | 21 | 6609149 | | 2003-08-19 | Bandera, et al. | |
| | 22 | 6615133 | | 2003-09-02 | Boies, et al. | |
| | 23 | 6721952 | | 2004-04-13 | Guedalia, et al. | |
| | 24 | 6751626 | | 2004-06-15 | Brown, et al. | |
| | 25 | 6766245 | | 2004-07-20 | Padmanabhan | |
| | 26 | 6842724 | | 2005-01-11 | Lou, et al. | |
| | 27 | 6856759 | | 2005-02-15 | Fukuda, et al. | |
| If you wis | h to a | dd additional U.S. Pater | nt citatio | n information pl | lease click the Add button. | · |
| | , | | U.S.P | ATENT APPLI | CATION PUBLICATIONS | |
| Examiner Initial* | Cite No | Publication Number | Kind Code ¹ | Publication Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear |
| | 1 | 20020002708 | | 2002-03-01 | Chaddha | |

| Application Number | | 10789128 | | |
|----------------------|--------|------------|--|--|
| Filing Date | | 2004-02-27 | | |
| First Named Inventor | Dustir | n L. Green | | |
| Art Unit | · | | | |
| Examiner Name | | | | |
| Attorney Docket Numb | er | MS1-1434US | | |

| 2 | 20020040481 | | 2002-04-04 | |
|----|-------------|----|------------|------------------------------------|
| 3 | 20020107968 | | 2002-08-08 | |
| 4 | 20020108119 | A1 | 2002-08-08 | Mao, Weidong; et al. |
| 5 | 20020114331 | | 2002-08-22 | |
| 6 | 20020124258 | | 2002-09-05 | |
| 7 | 20030159143 | A1 | 2003-08-21 | Chan, Peter |
| 8 | 20030202775 | A1 | 2003-10-30 | Junkersfeld, Phillip Aaron; et al. |
| 9 | 20040034863 | A1 | 2004-02-19 | Barrett, Peter T.; et al. |
| 10 | 20040034864 | A1 | 2004-02-19 | Barrett, Peter T.; et al. |
| 11 | 20040128694 | A1 | 2004-07-01 | Bantz, David F.; et al. |
| 12 | 20040160974 | A1 | 2004-08-19 | Read, Christopher Jensen; et al. |

(Not for submission under 37 CFR 1.99)

| Application Number | | 10789128 | | |
|------------------------|------|--------------|------------|--|
| Filing Date | | 2004-02-27 | | |
| First Named Inventor | Dust | tin L. Green | · ········ | |
| Art Unit | | | | |
| Examiner Name | | | | |
| Attorney Docket Number | | MS1-1434US | | |

| | 13 | 20040255328 | A1 | 2004-12-16 | Baldwin, James Armand; et al. |
|-------------|---------|--------------------------|--------|--------------------|---|
| | 14 | 20050078680 | A1 | 2005-04-14 | Barrett, Peter T.; et al. |
| | 15 | 20050078757 | A1 | 2005-04-14 | Nohrden, James M. |
| | 16 | 20050080904 | A1 | 2005-04-14 | Green, Dustin L. |
| | 17 | 20050081243 | A1 | 2005-04-14 | Barrett, Peter T.; et al. |
| | 18 | 20050081244 | A1 | 2005-04-14 | Barrett, Peter T.; et al. |
| - | 19 | 20050081246 | A1 | 2005-04-14 | Ваггеtt, Peter T.; et al. |
| | 20 | 20050154917 | A1 | 2005-07-14 | deCarmo, Linden |
| | 21 | 20050172314 | A1 | 2005-08-04 | Krakora, Robert Vincent; et al. |
| | 22 | 20050190781 | A1 | 2005-09-01 | Green, Dustin L.; et al. |
| If you wisl | n to ac | d additional U.S. Publis | hed An | plication citation | n information please click the Add button |

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

| Application Number | | 10789128 | | | |
|-----------------------------|--|------------|--|--|--|
| Filing Date | | 2004-02-27 | | | |
| First Named Inventor Dustin | | n L. Green | | | |
| Art Unit | | | | | |
| Examiner Name | | | | | |
| Attorney Docket Number | | MS1-1434US | | | |

| Examiner Initial* | Cite No | Foreign Document Number³ | Country Code ² j | Kind Code4 | Publication Date | Name of Patentee or Applicant of cited Document | Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear | тс |
|----------------------|------------|-----------------------------|--------------------------------|---------------|---------------------|---|---|----|
| | 1 | CA2480461 | CA | | | | | |
| | 2 | EP0633694 | EP | | | | | |
| | 3 | EP1294193 | EP | | | | | |
| | 4 | WO0126271 | wo | | | | | |
| | 5 | WO0156285 | wo | | | | | |
| | 6 | WO02087235 | wo | | | | | |
| | 7 | WO03088646 | wo | | | | | |
| | 8 | WO2004062291 | wo | | | | | |
| | 9 | WO9806045 | wo | | | | | |
| | 10 | WO9909741 | wo | | | | | |

| Application Number | | 10789128 | |
|----------------------|--------|------------|--|
| Filing Date | | 2004-02-27 | |
| First Named Inventor | Dustir | n L. Green | |
| Art Unit | | | |
| Examiner Name | | | |
| Attorney Docket Numb | er | MS1-1434US | |

| | 11 | WO0103373 | wo | 2 | 001-01-11 | | | | | |
|-----------------------|------------|---|---|-------------|---------------|--------------------------|--------------------|--|--|--|
| If you wis | h to ac | ı dd additional Foreign P | atent Document c | citation in | formation ple | ease click the Add butto | n | | | |
| | | | NON-PATEN | IT LITER | ATURE DO | CUMENTS | | | | |
| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | | | | | | | | |
| | 1 | Application Serial Numb | Application Serial Number 11/010,200; Smith, et al.; Filed 12/10/2004 | | | | | | | |
| | 2 | Armitage, "Support for M 1996, pp 1-82. | Aulticast over UNI 3 | 3.0/3.1 bas | sed ATM Netw | orks", RFC 2022, Standar | ds Track, November | | | |
| | 3 | BenAbdelkader, et al., "Combining Holistic and Parametric Approaches for Gait Recognition," Submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence, December 2002, 37 pages. | | | | | | | | |
| | 4 | BenAbdelkader, et al., "EigenGait: Motion-based Recognition of People Using Image Self-similarity," Proc. Intl. on Audio and Video-based Person Authentication (AVBPA), 2001, 11 pages. | | | | | | | | |
| | 5 | BenAbdelkader, et al., "Motion-based Recognition of People in Eigengait Space," 5th International Conference on Automatic Face and Gesture Recognition, 5/20/2002, pp. 1-6. | | | | | | | | |
| | 6 | BenAbdelkader, et al., "Person Identification Using Automatic Height and Stride Estimation," IEEE International Conference on Pattern Recognition, 8/11/02-8/15/02, pp. 1-4. | | | | | | | | |
| | 7 | BenAbdelkader, et al., "Stride and Cadence as a Biometric in Automatic Person Identification and Verification," 5th International Conference on Automatic Face and Gesture Recognition, 5/20/2002, pp. 1-8 | | | | | | | | |
| | 8 | BenAbdelkader, et al., "View-invariant Estimation of Height and Stride for Gait Recognition," Workshop on Biometric Authentication (BIOMET), in association with ECCV 2002, 6/1/2002, 12 pages. | | | | | | | | |

| Application Number | | 10789128 |
|------------------------|--------|------------|
| Filing Date | | 2004-02-27 |
| First Named Inventor | Dustir | n L. Green |
| Art Unit | | |
| Examiner Name | | |
| Attorney Docket Number | | MS1-1434US |

| ! | 9 | Cutler, et al., "Robust Real-Time Periodic Motion Detection, Analysis, and Applications," IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI), Vol. 22, No. 8, August 2000, pp. 781-796. | |
|---|----|--|--|
| | 10 | "Digital Headend Solutions; Tune in to Digital TV", retrieved from the Internet on 11/03/05, Available at [[http://www.tutsystems.com/digitalheadend/solutions/index.cfm]], 1 page. | |
| | 11 | Ding, et al., "Resource-Based Striping: An Efficient Striping Strategy for Video Servers Using Heterogeneous Disk- Subsystems", Multimedia Tools and Applications, Vol. 19, No. 1, Jan, 2003, pp. 29-51 | |
| | 12 | Elgammal, et al., "Non-parametric Model for Background Subtraction," IEEE ICCV99 Frame Rate Workshop, IEEE 7th International Conference on Computer Vision, Kerkyra, Greece, September 1999, pp. 1-17. | |
| | 13 | Gil, et al., "Simulation of a Mobility Prediction Scheme Based on Neuro-Fuzzy Theory in Mobile Computing", Simulation, July 2000, Vol. 75, No. 1, pp 6-17. | |
| | 14 | Gonzalez, et al., "Load Sharing Based on Popularity in Distributed Video on Demand Systems", Proceedings 2002 IEEE Int'l. Conf. on Multimedia and Expo, Vol. 1, Aug. 2002, pp. 5-8. | |
| | 15 | Halvorsen et al., "Q-L/MRP: A Buffer Muffer Management Mechanism for QoS Support in a Multimedia DBMS", IEEE 1998, pp 162-171. | |
| | 16 | Haritaoglu, et al., "W4S: A Real-Time System for Detecting and Tracking People in 2 1/2 D," in European Conference on Computer Vision, 1998, 16 pages. | |
| | 17 | Hurst, et al., "MPEG Splicing: A New Standard for Television-SMPTE 312M", SMPTE Journal, November 1998, pp 978-988. | |
| | 18 | "Infovalue Experts; Info Value Unveils Industry's First Video Multicasting Solution with Instant Replay", retrieved from the Internet on 11/3/05, Available at [[http://www.infovalue.com/links/news%20room/press%20releases/1999/Press_% 20First_Multicasting_with_Instant_Replay.pdf]], 3 pages. | |
| | 19 | Kamiyama et al., "Renegotiated CBR Transmission in Interactive Video-on-Demand System", IEE 1997, pp 12-19. | |

| Application Number | | 10789128 |
|------------------------|--------|------------|
| Filing Date | | 2004-02-27 |
| First Named Inventor | Dustii | n L. Green |
| Art Unit | | |
| Examiner Name | | |
| Attorney Docket Number | | MS1-1434US |

| | | |
|------|--|--|
| 20 | Lee, "Staggered Push-A Linearly Scalable Architecture for Push-Based Parallel Video Servers", IEEE Transactions on Multimedia, Vol. 4, No. 4, December 2002, pp. 423-434. | |
| 21 | Lo, et al., "Deploy Multimedia-on-Demand Services over ADSL Networks", PCM 2002; Lecture Notes in Computer Science, Vol. 2532, Dec 2002, pp. 295-302. | |
| 22 | Lu et al., "Experience in designing a TCP/IP based VOD system over a dedicated network", IEE 1997, pp 262-266. | |
| 23 | McKinley, et al., "Group Communication in Multichanel Networks with Staircase Interconnection Topologies", Computer Communication Review, ACM, September 1989, vol. 19, no. 4, pp 170-181. | |
| 24 | "MediaFLO; Introducing FLO Technology:, retrieved from the Internet on 11/3/05, available at [[http://www.qualcomm.com/mediaflo/news/pdf/flo_whitepaper.pdf]], pp. 1-8. | |
| 25 | "Multidimensional Database Technology", Computer, December 2001, Vol. 34, No. 12, pp 40-46. | |
| 26 | "Optibase MGW 2400", retreived from the Internet 11/3/05, Available at [[http://www.epecom graphics.com/optibase_mgw2400_features.html]], 2 pages. | |
| 27 | Petit et al., "Bandwidth Resource Optimization in Video-On-Demand Network Architectures", IEEE 1994, pp 91-97. | |
| 28 | "QuickTime Streaming your Media in Real Time", retrieved from the Internet on 11/3/05, Accessible at [[http://www.apple.com.tw/quicktime/technologies/streaming/]], 3 pages. | |
| 29 | Song, et al., "Replica Striping for Multi-Resolution Video Servers", IDMS/PROMS 2002; Lecture Notes in Computer Science, Vol. 2515, No. 2002, pp. 300-312. | |
| 30 | State, et al.,"Active Network Based Management For QoS Assured Multicast Delivered Media", Joint 4th IEEE Int'l Conf. on ATM and High Speed Intelligent Internet Symposium, 04/2001, pp 123-127. | |

| Application Number | | 10789128 | | | | |
|------------------------|-------|-------------|--|--|--|--|
| Filing Date | | 2004-02-27 | | | | |
| First Named Inventor | Dusti | in L. Green | | | | |
| Art Unit | | | | | | |
| Examiner Name | | | | | | |
| Attorney Docket Number | | MS1-1434US | | | | |

| | 31 | | | | ent and A nd Patte | | | | | | | | r 30 | l Mach | ine Visi | ion," P | rocee | dings | of the | | |
|--|--|--|---|----------------------|-----------------------|--------|-------|------|----------|-------|-------|--------|-------------|--------|----------|---------|-------|-------|--------|--|--|
| | 32 | Turk, et al., "Face Recognition Using Eigenfaces," CVPR, 1991. pp. 586-591. | | | | | | | | | | | | | | | | | | | |
| | 33 | Wee, | Wee, et al., "Splicing MPEG Video Streams in the Compressed Domain", IEEE 1997, pp 224-230. | | | | | | | | | | | | | | | | | | |
| | 34 | Wolfson, et al., "Modeling Moving Objects for Location Based Services", Lectures Notes in Computer Science, 2002, Vol. 2538, pp 46-58 | | | | | | | | | | | | | | | | | | | |
| | 35 | Wu, et al., "Scalable Video Coding and Transport over Broad-Band Wireless Networks", Proceedings of the IEEE, January 2001, vol. 89, no. 1, pp 6-20. | | | | | | | | | | | | | | | | | | | |
| | Zhang, et al., "Data Modeling of Moving Objects with GPS/GIS in Web Environment", International Conference on Communications, Circuits and Systems and West Sino Exposition Proceedings, 2002, Vol. 2 pp, 1581-1585. | | | | | | | | | | | | | | | | | | | | |
| | Zhang, et al., "The Cost Model of Moving Objects Communication with GPS", International Conference on Communications, Circuits and Systems and West Sino Exposition Proceedings, 2002, VOI. 2, pp 1576-1580. | | | | | | | | | | | | | | | | | | | | |
| | Zhou, et al., "On-line Scene Change Detection of Multicast (MBone) Video", Proceedings of the SPIE-The International Society for Optical Engineering, November 1998, Vol. 3527, pp 271-282. | | | | | | | | | | | | | | | | | | | | |
| If you wis | h to a | dd add | ditiona | ıl non- _l | oatent lit | teratu | re do | cume | ent cita | ation | infor | mation | ple | ase c | lick the | e Add | butto | n | | | |
| | | - | | | | | | EXA | MINE | R SIG | SNAT | URE | | | | | | | | | |
| Examiner | Examiner Signature Date Considered | | | | | | | | | | | | | | | | | | | | |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | | | | | | | | | | | | | | | |
| ¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached. | | | | | | | | | | | | | | | | | | | | | |

(Not for submission under 37 CFR 1.99)

| Application Number | | 10789128 | | | | |
|------------------------|------|-------------|--|--|--|--|
| Filing Date | | 2004-02-27 | | | | |
| First Named Inventor | Dust | in L. Green | | | | |
| Art Unit | - | | | | | |
| Examiner Name | | | | | | |
| Attorney Docket Number | | MS1-1434US | | | | |

| | CERTIFICATION STATEMENT | | | | | | | | | | |
|------|---|-------------------------|------------------------|---------------------|--------|--|--|--|--|--|--|
| Plea | Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s): | | | | | | | | | | |
| | That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1). | | | | | | | | | | |
| OF | ₹ | | | | | | | | | | |
| | That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2). | | | | | | | | | | |
| | See attached ce | ertification statement. | | | | | | | | | |
| | Fee set forth in | 37 CFR 1.17 (p) has be | een submitted herewitl | h. | | | | | | | |
| X | None | | | | | | | | | | |
| | SIGNATURE A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature. | | | | | | | | | | |
| Sign | nature | 19 m | | Date (YYYY-MM-DD) | 5.9.06 | | | | | | |
| Nar | ne/Print | Kasey C. Christie | | Registration Number | 40559 | | | | | | |
| | <u> </u> | | | | | | | | | | |

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**